n/a (no name in PALM)

1647 RUSH #10

CRF Errors Corrected by th STIC System Branch.

Serial Number: 09/910,346C

CRF Processing Date: 8/28/2002

Edited by:

Verified by: (STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically:

  _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:

  _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

  _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

  _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included:

  _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically:

  _____
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____.
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically:

  _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically:

  _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted ***ending*** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☑ Other: Seq 6 - corrected <2137 response to "Unknown"

RECEIVED
AUG 30 2002
TECH CENTER 1600/2900

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

n/a

1600

RAW SEQUENCE LISTING DATE: 08/28/2002
PATENT APPLICATION: **US/09/910,346C** TIME: 09:54:17

Input Set : **A:\D2885CIP revised seq id.txt**
Output Set: **N:\CRF3\08282002\I910346C.raw**

pp 3-4

```
      3 <110> APPLICANT: STEWARD, LANCE E
      4       FERNANDEZ-SALAS, ESTER
      5       HERRINGTON, TODD M
      6       AOKI, KEI R
      8 <120> TITLE OF INVENTION: Leucine-based motif and clostridial neurotoxins
     10 <130> FILE REFERENCE: D-2885CIP
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/910,346C
C--> 12 <141> CURRENT FILING DATE: 2000-07-21
     12 <150> PRIOR APPLICATION NUMBER: US 09/620,840
     13 <151> PRIOR FILING DATE: 2000-07-21
     15 <160> NUMBER OF SEQ ID NOS: 20
     17 <170> SOFTWARE: PatentIn version 3.1
     19 <210> SEQ ID NO: 1
     20 <211> LENGTH: 7
     21 <212> TYPE: PRT
C--> 22 <213> ORGANISM: Artificial
     24 <220> FEATURE:
     25 <221> NAME/KEY: MISC_FEATURE
     26 <222> LOCATION: (1)..(5)
     27 <223> OTHER INFORMATION: Description of Artificial Sequence: fragment having
properties su
     28       bstantially similar to that of leucine based sequence
     29       x may be any amino acid or derivatives thereof
     32 <400> SEQUENCE: 1
W--> 34 Xaa Asp Xaa Xaa Xaa Leu Leu
     35 1               5
     38 <210> SEQ ID NO: 2
     39 <211> LENGTH: 7
     40 <212> TYPE: PRT
C--> 41 <213> ORGANISM: Artificial
     43 <220> FEATURE:
     44 <221> NAME/KEY: MISC_FEATURE
     45 <222> LOCATION: (1)..(5)
     46 <223> OTHER INFORMATION: Description of Artificial Sequence: fragment having
properties su
     47       bstantially similar to leucine based motif
     48       x may be any amino acid or derivatives thereof
     51 <400> SEQUENCE: 2
W--> 53 Xaa Glu Xaa Xaa Xaa Leu Leu
     54 1               5
     57 <210> SEQ ID NO: 3
     58 <211> LENGTH: 7
     59 <212> TYPE: PRT
C--> 60 <213> ORGANISM: Artificial
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Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING DATE: 08/28/2002
PATENT APPLICATION: **US/09/910,346C** TIME: 09:54:17

Input Set : **A:\D2885CIP revised seq id.txt**
Output Set: **N:\CRF3\08282002\I910346C.raw**

63 <221> NAME/KEY: MISC_FEATURE
64 <222> LOCATION: (1)..(5)
65 <223> OTHER INFORMATION: Description of Artificial Sequence: fragment having properties su
66 bstantially similar to that of leucine based motif
69 <220> FEATURE:
70 <221> NAME/KEY: MISC_FEATURE
71 <222> LOCATION: (1)..(5)
72 <223> OTHER INFORMATION: X may be any amino acid or derivatives thereof
75 <400> SEQUENCE: 3
W--> **77 Xaa Asp Xaa Xaa Xaa Leu Ile**
78 1 5
81 <210> SEQ ID NO: 4
82 <211> LENGTH: 7
83 <212> TYPE: PRT
C--> **84 <213> ORGANISM: Artificial**
86 <220> FEATURE:
87 <221> NAME/KEY: MISC_FEATURE
88 <222> LOCATION: (1)..(5)
89 <223> OTHER INFORMATION: Description of Artificial Sequence: fragment having properties su
90 bstantially similar to that of leucine based motif
93 <220> FEATURE:
94 <221> NAME/KEY: MISC_FEATURE
95 <222> LOCATION: (1)..(5)
96 <223> OTHER INFORMATION: X may be any amino acid or derivatives thereof
99 <400> SEQUENCE: 4
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102 1 5
105 <210> SEQ ID NO: 5
106 <211> LENGTH: 7
107 <212> TYPE: PRT
C--> **108 <213> ORGANISM: Artificial**
110 <220> FEATURE:
111 <221> NAME/KEY: MISC_FEATURE
112 <222> LOCATION: (1)..(5)
113 <223> OTHER INFORMATION: Description of Artificial Sequence: fragment having properties su
114 bstantially similar to leucine based motif
117 <220> FEATURE:
118 <221> NAME/KEY: MISC_FEATURE
119 <222> LOCATION: (1)..(5)
120 <223> OTHER INFORMATION: X may be any amino acid or derivatives thereof
123 <400> SEQUENCE: 5
W--> **125 Xaa Glu Xaa Xaa Xaa Leu Ile**
126 1 5
129 <210> SEQ ID NO: 6
130 <211> LENGTH: 7
131 <212> TYPE: PRT
C--> **132 <213> ORGANISM: Artificial**
134 <220> FEATURE:
135 <221> NAME/KEY: MISC_FEATURE

Unknown
do you mean "Unknown"?
(see p. 4)

62 <220> FEATURE:

RAW SEQUENCE LISTING DATE: 08/28/2002
PATENT APPLICATION: **US/09/910,346C** TIME: 09:54:17

Input Set : **A:\D2885CIP revised seq id.txt**
Output Set: **N:\CRF3\08282002\I910346C.raw**

136 <222> LOCATION: (1)..(5)
137 <223> OTHER INFORMATION: Description of Unknown Organism: This fragment may have come from
138 a rat source.
141 <220> FEATURE:
142 <221> NAME/KEY: MISC_FEATURE
143 <222> LOCATION: (1)..(5)
144 <223> OTHER INFORMATION: X may be any amino acid or derivatives thereof
147 <400> SEQUENCE: 6
149 **Xaa Glu Xaa Xaa Xaa Leu Met**
150 1 5
153 <210> SEQ ID NO: 7
154 <211> LENGTH: 7
155 <212> TYPE: PRT
156 <213> ORGANISM: Unknown
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Description of Unknown Organism: This fragment may have come from
160 a rat source.
162 <400> SEQUENCE: 7
164 Phe Glu Phe Tyr Lys Leu Leu
165 1 5
168 <210> SEQ ID NO: 8
169 <211> LENGTH: 7
170 <212> TYPE: PRT
171 <213> ORGANISM: rat
173 <400> SEQUENCE: 8
175 Glu Glu Lys Arg Ala Ile Leu
176 1 5
179 <210> SEQ ID NO: 9
180 <211> LENGTH: 7
181 <212> TYPE: PRT
182 <213> ORGANISM: rat
184 <400> SEQUENCE: 9
186 Glu Glu Lys Met Ala Ile Leu
187 1 5
190 <210> SEQ ID NO: 10
191 <211> LENGTH: 7
192 <212> TYPE: PRT
193 <213> ORGANISM: rat
195 <400> SEQUENCE: 10
197 Ser Glu Arg Asp Val Leu Leu
198 1 5
201 <210> SEQ ID NO: 11
202 <211> LENGTH: 7
203 <212> TYPE: PRT
204 <213> ORGANISM: rat
206 <400> SEQUENCE: 11
208 Val Asp Thr Gln Val Leu Leu
209 1 5
212 <210> SEQ ID NO: 12

RAW SEQUENCE LISTING DATE: 08/28/2002
PATENT APPLICATION: US/09/910,346C TIME: 09:54:17

Input Set : A:\D2885CIP revised seq id.txt
Output Set: N:\CRF3\08282002\I910346C.raw

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214 <212> TYPE: PRT
215 <213> ORGANISM: mouse
217 <400> SEQUENCE: 12
219 Ala Glu Val Gln Ala Leu Leu
220 1 5
223 <210> SEQ ID NO: 13
224 <211> LENGTH: 7
225 <212> TYPE: PRT
226 <213> ORGANISM: frog
228 <400> SEQUENCE: 13
230 Ser Asp Lys Gln Asn Leu Leu
231 1 5
234 <210> SEQ ID NO: 14
235 <211> LENGTH: 7
236 <212> TYPE: PRT
237 <213> ORGANISM: chicken
239 <400> SEQUENCE: 14
241 Ser Asp Arg Gln Asn Leu Ile
242 1 5
245 <210> SEQ ID NO: 15
246 <211> LENGTH: 7
247 <212> TYPE: PRT
248 <213> ORGANISM: sheep
250 <400> SEQUENCE: 15
252 Ala Asp Thr Gln Val Leu Met
253 1 5
256 <210> SEQ ID NO: 16
257 <211> LENGTH: 7
258 <212> TYPE: PRT
259 <213> ORGANISM: Homo sapiens
261 <400> SEQUENCE: 16
263 Ser Asp Lys Gln Thr Leu Leu
264 1 5
267 <210> SEQ ID NO: 17
268 <211> LENGTH: 7
269 <212> TYPE: PRT
270 <213> ORGANISM: Homo sapiens
272 <400> SEQUENCE: 17
274 Ser Gln Ile Lys Arg Leu Leu
275 1 5
278 <210> SEQ ID NO: 18
279 <211> LENGTH: 7
280 <212> TYPE: PRT
281 <213> ORGANISM: Homo sapiens
283 <400> SEQUENCE: 18
285 Ala Asp Thr Gln Ala Leu Leu
286 1 5
289 <210> SEQ ID NO: 19

RAW SEQUENCE LISTING DATE: 08/28/2002
PATENT APPLICATION: **US/09/910,346C** TIME: 09:54:17

Input Set : **A:\D2885CIP revised seq id.txt**
Output Set: **N:\CRF3\08282002\I910346C.raw**

290 <211> LENGTH: 437
291 <212> TYPE: PRT
292 <213> ORGANISM: Clostridium botulinum
294 <400> SEQUENCE: 19
296 Pro Phe Val Asn Lys Gln Phe Asn Tyr Lys Asp Pro Val Asn Gly Val
297 1 5 10 15
300 Asp Ile Ala Tyr Ile Lys Ile Pro Asn Val Gly Gln Met Gln Pro Val
301 20 25 30
304 Lys Ala Phe Lys Ile His Asn Lys Ile Trp Val Ile Pro Glu Arg Asp
305 35 40 45
308 Thr Phe Thr Asn Pro Glu Glu Gly Asp Leu Asn Pro Pro Pro Glu Ala
309 50 55 60
312 Lys Gln Val Pro Val Ser Tyr Tyr Asp Ser Thr Tyr Leu Ser Thr Asp
313 65 70 75 80
316 Asn Glu Lys Asp Asn Tyr Leu Lys Gly Val Thr Lys Leu Phe Glu Arg
317 85 90 95
320 Ile Tyr Ser Thr Asp Leu Gly Arg Met Leu Leu Thr Ser Ile Val Arg
321 100 105 110
324 Gly Ile Pro Phe Trp Gly Gly Ser Thr Ile Asp Thr Glu Leu Lys Val
325 115 120 125
328 Ile Asp Thr Asn Cys Ile Asn Val Ile Gln Pro Asp Gly Ser Tyr Arg
329 130 135 140
332 Ser Glu Glu Leu Asn Leu Val Ile Ile Gly Pro Ser Ala Asp Ile Ile
333 145 150 155 160
336 Gln Phe Glu Cys Lys Ser Phe Gly His Glu Val Leu Asn Leu Thr Arg
337 165 170 175
340 Asn Gly Tyr Gly Ser Thr Gln Tyr Ile Arg Phe Ser Pro Asp Phe Thr
341 180 185 190
344 Phe Gly Phe Glu Glu Ser Leu Glu Val Asp Thr Asn Pro Leu Leu Gly
345 195 200 205
348 Ala Gly Lys Phe Ala Thr Asp Pro Ala Val Thr Leu Ala His Glu Leu
349 210 215 220
352 Ile His Ala Gly His Arg Leu Tyr Gly Ile Ala Ile Asn Pro Asn Arg
353 225 230 235 240
356 Val Phe Lys Val Asn Thr Asn Ala Tyr Tyr Glu Met Ser Gly Leu Glu
357 245 250 255
360 Val Ser Phe Glu Glu Leu Arg Thr Phe Gly Gly His Asp Ala Lys Phe
361 260 265 270
364 Ile Asp Ser Leu Gln Glu Asn Glu Phe Arg Leu Tyr Tyr Tyr Asn Lys
365 275 280 285
368 Phe Lys Asp Ile Ala Ser Thr Leu Asn Lys Ala Lys Ser Ile Val Gly
369 290 295 300
372 Thr Thr Ala Ser Leu Gln Tyr Met Lys Asn Val Phe Lys Glu Lys Tyr
373 305 310 315 320
376 Leu Leu Ser Glu Asp Thr Ser Gly Lys Phe Ser Val Asp Lys Leu Lys
377 325 330 335
380 Phe Asp Lys Leu Tyr Lys Met Leu Thr Glu Ile Tyr Thr Glu Asp Asn
381 340 345 350
384 Phe Val Lys Phe Phe Lys Val Leu Asn Arg Lys Thr Tyr Leu Asn Phe

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/28/2002
PATENT APPLICATION: **US/09/910,346C** TIME: 09:54:18

Input Set : **A:\D2885CIP revised seq id.txt**
Output Set: **N:\CRF3\08282002\I910346C.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,3,4,5
Seq#:2; Xaa Pos. 1,3,4,5
Seq#:3; Xaa Pos. 1,3,4,5
Seq#:4; Xaa Pos. 1,3,4,5
Seq#:5; Xaa Pos. 1,3,4,5
Seq#:6; Xaa Pos. 1,3,4,5

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6

VERIFICATION SUMMARY DATE: 08/28/2002
PATENT APPLICATION: **US/09/910,346C** TIME: 09:54:18

Input Set : **A:\D2885CIP revised seq id.txt**
Output Set: **N:\CRF3\08282002\I910346C.raw**

L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:22 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1
L:34 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:41 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2
L:53 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:60 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3
L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:84 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4
L:101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:108 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5
L:125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:132 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6
L:149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0

1600

RAW SEQUENCE LISTING DATE: 08/28/2002
PATENT APPLICATION: **US/09/910,346C** TIME: 12:54:49

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF3\08282002\I910346C.raw**

```
      3 <110> APPLICANT: STEWARD, LANCE E
      4       FERNANDEZ-SALAS, ESTER
      5       HERRINGTON, TODD M
      6       AOKI, KEI R
      8 <120> TITLE OF INVENTION: Leucine-based motif and clostridial neurotoxins
     10 <130> FILE REFERENCE: D-2885CIP
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/910,346C
C--> 12 <141> CURRENT FILING DATE: 2000-07-21
     12 <150> PRIOR APPLICATION NUMBER: US 09/620,840
     13 <151> PRIOR FILING DATE: 2000-07-21
     15 <160> NUMBER OF SEQ ID NOS: 20
     17 <170> SOFTWARE: PatentIn version 3.1
     19 <210> SEQ ID NO: 1
     20 <211> LENGTH: 7
     21 <212> TYPE: PRT
C--> 22 <213> ORGANISM: Artificial
     24 <220> FEATURE:
     25 <221> NAME/KEY: MISC_FEATURE
     26 <222> LOCATION: (1)..(5)
     27 <223> OTHER INFORMATION: Description of Artificial Sequence: fragment having
properties su
     28       bstantially similar to that of leucine based sequence
     29       x may be any amino acid or derivatives thereof
     32 <400> SEQUENCE: 1
W--> 34 Xaa Asp Xaa Xaa Xaa Leu Leu
     35 1               5
     38 <210> SEQ ID NO: 2
     39 <211> LENGTH: 7
     40 <212> TYPE: PRT
C--> 41 <213> ORGANISM: Artificial
     43 <220> FEATURE:
     44 <221> NAME/KEY: MISC_FEATURE
     45 <222> LOCATION: (1)..(5)
     46 <223> OTHER INFORMATION: Description of Artificial Sequence: fragment having
properties su
     47       bstantially similar to leucine based motif
     48       x may be any amino acid or derivatives thereof
     51 <400> SEQUENCE: 2
W--> 53 Xaa Glu Xaa Xaa Xaa Leu Leu
     54 1               5
     57 <210> SEQ ID NO: 3
     58 <211> LENGTH: 7
     59 <212> TYPE: PRT
C--> 60 <213> ORGANISM: Artificial
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62 <220> FEATURE:

RAW SEQUENCE LISTING DATE: 08/28/2002
PATENT APPLICATION: **US/09/910,346C** TIME: 12:54:49

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF3\08282002\I910346C.raw**

63 <221> NAME/KEY: MISC_FEATURE
64 <222> LOCATION: (1)..(5)
65 <223> OTHER INFORMATION: Description of Artificial Sequence: fragment having properties su
66 bstantially similar to that of leucine based motif
69 <220> FEATURE:
70 <221> NAME/KEY: MISC_FEATURE
71 <222> LOCATION: (1)..(5)
72 <223> OTHER INFORMATION: X may be any amino acid or derivatives thereof
75 <400> SEQUENCE: 3
W--> 77 Xaa Asp Xaa Xaa Xaa Leu Ile
78 1 5
81 <210> SEQ ID NO: 4
82 <211> LENGTH: 7
83 <212> TYPE: PRT
C--> 84 <213> ORGANISM: Artificial
86 <220> FEATURE:
87 <221> NAME/KEY: MISC_FEATURE
88 <222> LOCATION: (1)..(5)
89 <223> OTHER INFORMATION: Description of Artificial Sequence: fragment having properties su
90 bstantially similar to that of leucine based motif
93 <220> FEATURE:
94 <221> NAME/KEY: MISC_FEATURE
95 <222> LOCATION: (1)..(5)
96 <223> OTHER INFORMATION: X may be any amino acid or derivatives thereof
99 <400> SEQUENCE: 4
W--> 101 Xaa Asp Xaa Xaa Xaa Leu Met
102 1 5
105 <210> SEQ ID NO: 5
106 <211> LENGTH: 7
107 <212> TYPE: PRT
C--> 108 <213> ORGANISM: Artificial
110 <220> FEATURE:
111 <221> NAME/KEY: MISC_FEATURE
112 <222> LOCATION: (1)..(5)
113 <223> OTHER INFORMATION: Description of Artificial Sequence: fragment having properties su
114 bstantially similar to leucine based motif
117 <220> FEATURE:
118 <221> NAME/KEY: MISC_FEATURE
119 <222> LOCATION: (1)..(5)
120 <223> OTHER INFORMATION: X may be any amino acid or derivatives thereof
123 <400> SEQUENCE: 5
W--> 125 Xaa Glu Xaa Xaa Xaa Leu Ile
126 1 5
129 <210> SEQ ID NO: 6
130 <211> LENGTH: 7
131 <212> TYPE: PRT
132 <213> ORGANISM: Unknown
134 <220> FEATURE:
135 <221> NAME/KEY: MISC_FEATURE

RAW SEQUENCE LISTING DATE: 08/28/2002
PATENT APPLICATION: **US/09/910,346C** TIME: 12:54:49

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF3\08282002\I910346C.raw**

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     136 <222> LOCATION: (1)..(5)
     137 <223> OTHER INFORMATION: Description of Unknown Organism: This fragment may have come
from
     138       a rat source.
     141 <220> FEATURE:
     142 <221> NAME/KEY: MISC_FEATURE
     143 <222> LOCATION: (1)..(5)
     144 <223> OTHER INFORMATION: X may be any amino acid or derivatives thereof
     147 <400> SEQUENCE: 6
W--> 149 Xaa Glu Xaa Xaa Xaa Leu Met
     150 1               5
     153 <210> SEQ ID NO: 7
     154 <211> LENGTH: 7
     155 <212> TYPE: PRT
     156 <213> ORGANISM: Unknown
     158 <220> FEATURE:
     159 <223> OTHER INFORMATION: Description of Unknown Organism: This fragment may have come
from
     160       a rat source.
     162 <400> SEQUENCE: 7
     164 Phe Glu Phe Tyr Lys Leu Leu
     165 1               5
     168 <210> SEQ ID NO: 8
     169 <211> LENGTH: 7
     170 <212> TYPE: PRT
     171 <213> ORGANISM: rat
     173 <400> SEQUENCE: 8
     175 Glu Glu Lys Arg Ala Ile Leu
     176 1               5
     179 <210> SEQ ID NO: 9
     180 <211> LENGTH: 7
     181 <212> TYPE: PRT
     182 <213> ORGANISM: rat
     184 <400> SEQUENCE: 9
     186 Glu Glu Lys Met Ala Ile Leu
     187 1               5
     190 <210> SEQ ID NO: 10
     191 <211> LENGTH: 7
     192 <212> TYPE: PRT
     193 <213> ORGANISM: rat
     195 <400> SEQUENCE: 10
     197 Ser Glu Arg Asp Val Leu Leu
     198 1               5
     201 <210> SEQ ID NO: 11
     202 <211> LENGTH: 7
     203 <212> TYPE: PRT
     204 <213> ORGANISM: rat
     206 <400> SEQUENCE: 11
     208 Val Asp Thr Gln Val Leu Leu
     209 1               5
     212 <210> SEQ ID NO: 12
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RAW SEQUENCE LISTING DATE: 08/28/2002
PATENT APPLICATION: **US/09/910,346C** TIME: 12:54:49

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF3\08282002\I910346C.raw**

213 <211> LENGTH: 7
214 <212> TYPE: PRT
215 <213> ORGANISM: mouse
217 <400> SEQUENCE: 12
219 Ala Glu Val Gln Ala Leu Leu
220 1 5
223 <210> SEQ ID NO: 13
224 <211> LENGTH: 7
225 <212> TYPE: PRT
226 <213> ORGANISM: frog
228 <400> SEQUENCE: 13
230 Ser Asp Lys Gln Asn Leu Leu
231 1 5
234 <210> SEQ ID NO: 14
235 <211> LENGTH: 7
236 <212> TYPE: PRT
237 <213> ORGANISM: chicken
239 <400> SEQUENCE: 14
241 Ser Asp Arg Gln Asn Leu Ile
242 1 5
245 <210> SEQ ID NO: 15
246 <211> LENGTH: 7
247 <212> TYPE: PRT
248 <213> ORGANISM: sheep
250 <400> SEQUENCE: 15
252 Ala Asp Thr Gln Val Leu Met
253 1 5
256 <210> SEQ ID NO: 16
257 <211> LENGTH: 7
258 <212> TYPE: PRT
259 <213> ORGANISM: Homo sapiens
261 <400> SEQUENCE: 16
263 Ser Asp Lys Gln Thr Leu Leu
264 1 5
267 <210> SEQ ID NO: 17
268 <211> LENGTH: 7
269 <212> TYPE: PRT
270 <213> ORGANISM: Homo sapiens
272 <400> SEQUENCE: 17
274 Ser Gln Ile Lys Arg Leu Leu
275 1 5
278 <210> SEQ ID NO: 18
279 <211> LENGTH: 7
280 <212> TYPE: PRT
281 <213> ORGANISM: Homo sapiens
283 <400> SEQUENCE: 18
285 Ala Asp Thr Gln Ala Leu Leu
286 1 5
289 <210> SEQ ID NO: 19

RAW SEQUENCE LISTING DATE: 08/28/2002
PATENT APPLICATION: US/09/910,346C TIME: 12:54:49

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\08282002\I910346C.raw

290 <211> LENGTH: 437
291 <212> TYPE: PRT
292 <213> ORGANISM: Clostridium botulinum
294 <400> SEQUENCE: 19
296 Pro Phe Val Asn Lys Gln Phe Asn Tyr Lys Asp Pro Val Asn Gly Val
297 1 5 10 15
300 Asp Ile Ala Tyr Ile Lys Ile Pro Asn Val Gly Gln Met Gln Pro Val
301 20 25 30
304 Lys Ala Phe Lys Ile His Asn Lys Ile Trp Val Ile Pro Glu Arg Asp
305 35 40 45
308 Thr Phe Thr Asn Pro Glu Glu Gly Asp Leu Asn Pro Pro Pro Glu Ala
309 50 55 60
312 Lys Gln Val Pro Val Ser Tyr Tyr Asp Ser Thr Tyr Leu Ser Thr Asp
313 65 70 75 80
316 Asn Glu Lys Asp Asn Tyr Leu Lys Gly Val Thr Lys Leu Phe Glu Arg
317 85 90 95
320 Ile Tyr Ser Thr Asp Leu Gly Arg Met Leu Leu Thr Ser Ile Val Arg
321 100 105 110
324 Gly Ile Pro Phe Trp Gly Gly Ser Thr Ile Asp Thr Glu Leu Lys Val
325 115 120 125
328 Ile Asp Thr Asn Cys Ile Asn Val Ile Gln Pro Asp Gly Ser Tyr Arg
329 130 135 140
332 Ser Glu Glu Leu Asn Leu Val Ile Ile Gly Pro Ser Ala Asp Ile Ile
333 145 150 155 160
336 Gln Phe Glu Cys Lys Ser Phe Gly His Glu Val Leu Asn Leu Thr Arg
337 165 170 175
340 Asn Gly Tyr Gly Ser Thr Gln Tyr Ile Arg Phe Ser Pro Asp Phe Thr
341 180 185 190
344 Phe Gly Phe Glu Glu Ser Leu Glu Val Asp Thr Asn Pro Leu Leu Gly
345 195 200 205
348 Ala Gly Lys Phe Ala Thr Asp Pro Ala Val Thr Leu Ala His Glu Leu
349 210 215 220
352 Ile His Ala Gly His Arg Leu Tyr Gly Ile Ala Ile Asn Pro Asn Arg
353 225 230 235 240
356 Val Phe Lys Val Asn Thr Asn Ala Tyr Tyr Glu Met Ser Gly Leu Glu
357 245 250 255
360 Val Ser Phe Glu Glu Leu Arg Thr Phe Gly Gly His Asp Ala Lys Phe
361 260 265 270
364 Ile Asp Ser Leu Gln Glu Asn Glu Phe Arg Leu Tyr Tyr Tyr Asn Lys
365 275 280 285
368 Phe Lys Asp Ile Ala Ser Thr Leu Asn Lys Ala Lys Ser Ile Val Gly
369 290 295 300
372 Thr Thr Ala Ser Leu Gln Tyr Met Lys Asn Val Phe Lys Glu Lys Tyr
373 305 310 315 320
376 Leu Leu Ser Glu Asp Thr Ser Gly Lys Phe Ser Val Asp Lys Leu Lys
377 325 330 335
380 Phe Asp Lys Leu Tyr Lys Met Leu Thr Glu Ile Tyr Thr Glu Asp Asn
381 340 345 350
384 Phe Val Lys Phe Phe Lys Val Leu Asn Arg Lys Thr Tyr Leu Asn Phe

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 08/28/2002
PATENT APPLICATION: **US/09/910,346C** TIME: 12:54:50

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF3\08282002\I910346C.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,3,4,5
Seq#:2; Xaa Pos. 1,3,4,5
Seq#:3; Xaa Pos. 1,3,4,5
Seq#:4; Xaa Pos. 1,3,4,5
Seq#:5; Xaa Pos. 1,3,4,5
Seq#:6; Xaa Pos. 1,3,4,5

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5

VERIFICATION SUMMARY DATE: 08/28/2002
PATENT APPLICATION: **US/09/910,346C** TIME: 12:54:50

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF3\08282002\I910346C.raw**

L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:22 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1
L:34 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:41 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2
L:53 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:60 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3
L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:84 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4
L:101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:108 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5
L:125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0